WHAT IS CLAIMED IS:

1.   A Method for detecting fraud in a telecommunications system, comprising the steps of:

(1)   performing a plurality of types of fraud detection tests on network event records;

(2)   generating fraud alarms upon detection of suspected fraud by any of the fraud detection tests;

(3)   correlating the fraud alarms into fraud cases based on common aspects of the fraud alarms; and

(4)   automatically responding to certain of the fraud cases.